APPENDIX A

Field Data Forms

Data entered by _____ on _______ Page___ of ____
Proofed by ________ on ______

SWFL SURVEY AND DETECTION FORM

Study Area __________ **Survey Site** _____________________________ **Date** ________________

Observer(s) _________________________________ **UTM NAD and Zone** _______________________

Start Time _____________ UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __	**Stop** Time _____________ UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __

Intermediate Waypoints

UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __	UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __
UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __	UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __
UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __	UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __
UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __	UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __
UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __	UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __
UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __	UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __
UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __	UTM E 0 __ __ __ __ __ __	N __ __ __ __ __ __ __
UTM E 0	N	UTM E 0	N

SWFL Detections

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

Survey Summary

Total survey hours _______ # SWFLS found ________ Est. # Pairs _________ Est. # Territories ________

Playbacks used? Y or N Cowbirds Detected? Y or N If Y, approx # __________________________

Sign of Livestock? Y or N If yes, explain ____

Additional Comments ____
____
____
____
____
____

Data entered by _____ on _______ Page___ of ____
Proofed by ________ on ______

SWFL SURVEY AND DETECTION FORM – Additional Waypoints

Study Area ___________ **Survey Site** _______________________________ **Date** _________________

Observer(s) ___________________________________ **UTM NAD and Zone** _________________________

Intermediate Waypoints

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __
UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __
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UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __

Comments ____

Data entered by _____ on _______ Page___ of ____
Proofed by ________ on ______

SWFL SURVEY AND DETECTION FORM – Additional Detections

Study Area ___________ **Survey Site** ______________________________ **Date** ________________

Observer(s) __________________________________ **UTM NAD and Zone** ________________________

SWFL Detections

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

UTM E 0 __ __ __ __ __ __ N __ __ __ __ __ __ __ Banded? Y N U Pair? Y N Nest Found? Y N
Comments ____
____

SWFL General Site Description

(Complete at least 3 times during season: early (10–25 May), mid-season (10–25 June), and late season (10–25 July)

Study Area: _____ Survey Site: _____ Date: _____

Observer(s): _____ early_____ mid_____ late _____ other_____

Vegetation at site: >90% native 50-90% native 50-90% exotic >90% exotic

Canopy closure: <25% 25-50% 50-70% 70-90% >90%

Overstory height (m): _____ Dominant overstory species: TASP SAGO SAEX POFR Other _____

Understory height (m): _____ Dominant understory species: TASP SAGO SAEX PLSE

Other vegetation types present (e.g., cattail)? Yes No

If yes, type of vegetation: _____ percentage of site:_____
type of vegetation: _____ percentage of site:_____
type of vegetation: _____ percentage of site:_____

% of site inundated: _____

Describe type of surface water (e.g., open marsh, surface water within woody vegetation, stream, etc):
_____

Average depth of surface water:
toes (<5cm) ankles (5-15 cm) calves (15-40 cm) knees (40-60 cm)
thighs (60-80 cm) waist (100 cm) too deep to wade (>100 cm)

% of site with saturated soils (do not include inundated areas in percentage!): _____

% of site with damp soils (do not include inundated or saturated areas): _____

If not inundated or saturated, distance (m) to standing water or saturated soil:_____
How was distance determined? Visually estimated in field Measured in field using GPS
Measured from aerial photograph Other _____
Describe type of nearest surface water: _____

Does this description cover the entire site? Y N **If not, which portion is described?_____**
_____

Give a narrative description of the site, including adjacent habitats:
_____
_____
_____
_____
_____
_____
_____
_____

Additional comments:_____
_____
_____
_____
_____
_____

STUDY AREA: _____ **SITE**: _____ **BANDER**: _____ **DATE**: _____ **TIME**: _____ **TERR/NEST #**: _____

UTM: NAD_____ **Zone**_____ _____E _____**N** **NBN:** ____ of ____ nestlings banded.

NOTES:_____

_____

_____

_____

FEDERAL BAND #	COLOR COMBO		STATUS	SEX	CP	BP	AGE	FECAL SAMPLE? (Y or N)	GENETIC SAMPLE? (Y or N)	WING CHORD (mm)	TAIL (mm)	CULMEN LENGTH (mm)	CULMEN WIDTH (mm)	FAT
	L	R												

Retained Feathers Present: Yes or No (circle) – if Yes use diagram below **Colorimeter sample:** Yes or No (circle)

Active Molt: Yes or No (circle) – if Yes use diagram below

****** If a genetic sample or metric was not taken, explain why in notes ******

STATUS: NCP = new cap passive, NCT = new cap target, RCP = recap passive, RCT = recap target, NBN = nestling banded

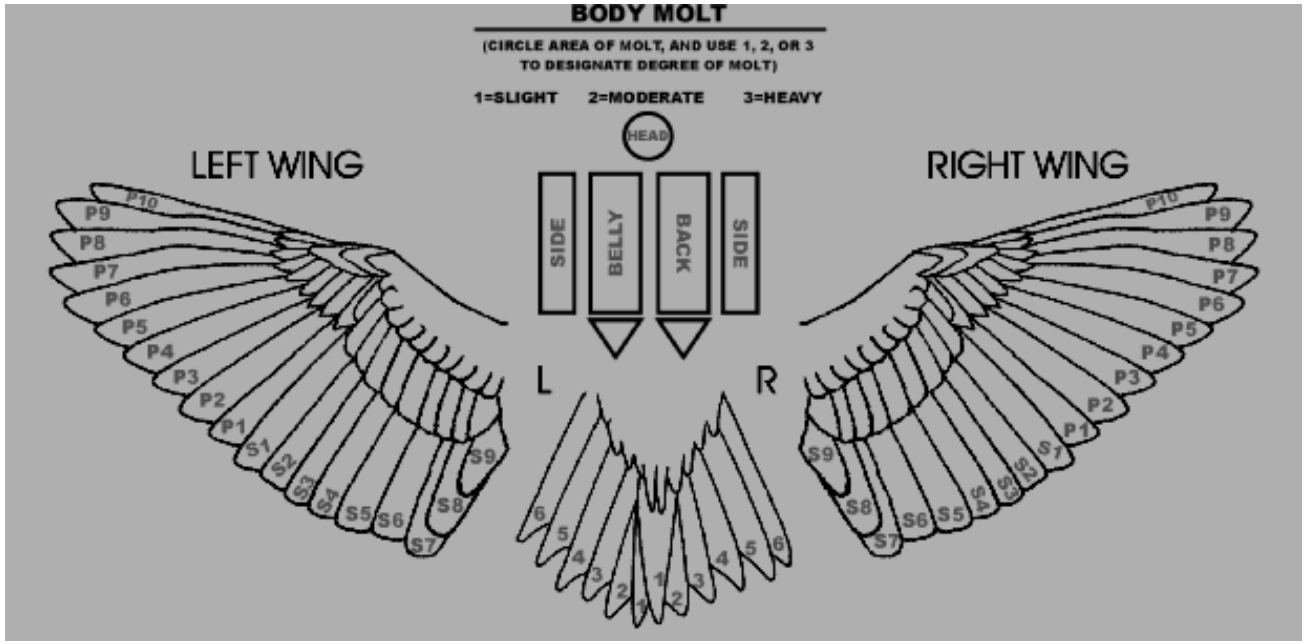
SEX: U = unknown, F = female, M = male

CP: 0 = non-breeding, S = partial breeding, M = full breeding

BP: 0 = none, 1 = smooth, 2 = vascularized and filled with fluid, 3 = wrinkled, 4 = molting

AGE: AHY = after hatch year; SY = second year; L = nestling banded in nest; HY = hatch year/young of the year

FAT: 0 = no fat; 1 = trace of fat in furculum, deeply concave, scattered patches, less than 5 percent filled; 2 = thin layer of fat in furculum, less than a third filled, trace of thin layer of fat in abdomen; 3 = furculum is ½ filled or more; small patches, not covering some areas, on abdomen; 4 = furculum more than 2/3 filled, level with clavicles, slightly mounded on abdomen



DETAIL ALL MOLTS AND RETAINED FEATHERS ONTO DIAGRAM AND DETAIL IN NOTES

Colorimetry Data Sheet

SITE: _____ **DATE:** _____

BANDER: _____ **FED BAND NUMBER:** _____

CROWN MEASUREMENTS

PAGE: _____

	L*	a*	b*
1			
2			
3			
4			
5			
6			
7			
8			
MAX			
MIN			
AVG			
SD			

BACK MEASUREMENTS

PAGE: _____

	L*	a*	b*
1			
2			
3			
4			
5			
6			
7			
8			
MAX			
MIN			
AVG			
SD			

NOTES:

_____

_____

_____

_____

_____

_____

_____

Date:_____ Page ____ of _____

OBS	STUDY AREA	TERR	NEST	COLOR COMBO LEFT LEG (Top/ Bottom)	RIGHT LEG (Top/ Bottom)	CONF LEVL	ASSOC WITH A NEST?	CAPTURE?	# WIFLS PRESENT	SEX	NBN (__of __)	OBSERVATIONS AND COMMENTS: discuss observations & activities.
												Service Band Number =
												Service Band Number =
												Service Band Number =
												Service Band Number =
												Service Band Number =
												Service Band Number =
												Service Band Number =
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												Service Band Number =
												Service Band Number =

Entered by: _____ Date entered:_____

Willow Flycatcher Territory/Nest Record Form

Study Area:_____Survey Site:_____Territory/Nest no.:_____

Territory/Nest Location:
NAD:_____ Zone:_____

Territory UTMs:

Easting:_____

Northing:_____

GPS Accuracy: _____m

Nest UTMs:

Easting:_____

Northing:_____

GPS Accuracy: _____m

Nest Height:_____m (approximate)

Nest Substrate:_____(e.g., TASP=tamarisk, SAGO=Goodding willow, POFR=cottonwood, SAEX = coyote willow, etc.)

Distance to standing water or saturated soil when nest found: _____(m)

How was distance determined?_____

Distance from NU point to standing water or saturated soil when nest found: _____(m)

How was distance determined?_____

Depth of surface water at nest (please circle how wet you got when nest was found):

dry damp muddy toes (<5cm) ankles (5-15 cm)

calves (15-40 cm) knees (40-60 cm) thighs (60-80 cm)

waist (100 cm) too deep to wade (>100 cm)

PLEASE DO NOT FILL OUT ANYTHING BELOW

Bird 1: Color band combination:_____ **Band Number:**_____ Female

Bird 2: Color band combination:_____ **Band Number:**_____ Male

Willow Flycatcher

Trans dates	BD (T/F)	
		Found
		First egg
		Clutch completion
		Hatching
		Fledged or Failed

Willow Flycatcher

No. Presumed	No. Confirmed	
		Eggs
		Nestlings
		Fledglings

Cowbird

Trans dates	BD (T/F)	
		First egg
		Hatching
		Fledged

Cowbird

No.	Complete? (T/F)	
		Eggs
		Nestlings
		Fledglings

Outcome (Record code & describe**):_____:**_____

_____

_____

_____

Outcome codes:
UN= unknown; **FY**= fledged young, with at least one young seen leaving or in the vicinity of nest; **FP**= fledged young, as determined by parents behaving as if dependent fledgling(s) nearby; **FU**= suspected fledging of at least one young; **FC**= fledged at least one host young with cowbird parasitism; **FD**= Nest partially depredated with confirmed fledging of at least one young; **PO**= predation observed; **PE**= probable predation, nest empty and intact; **PD**= probable predation, damage to nest structure; **AB**= nest abandoned prior to egg(s) being laid; **DE**= deserted with egg(s) or young; **PA=** parasitized, host attempted to raise cowbird young. No host young were fledged from the nest**; WE**= failure due to weather; **AD**= failure, entire clutch addled/infertile; **OT**= failure due to other, or unknown, causes.

Mayfield Success

(WIFL) Period	# Exposure days	Success
Egg Laying		
Incubation		
Nestling		

Mayfield success codes: **S**= successful; **D**= depredated; **U**= status unknown/nest occupied- fate unknown; **M**= mortality other than predation; **A**= abandoned with host egg(s) or young; **Z**= abandoned, no (zero) eggs laid.

Willow Flycatcher Territory/Nest Record Form (continued)

Study Area:_______________Survey Site:_____________________________Territory/Nest no.:_______

Date	Time		Obs	Mon Type	Stage	Adult pres.	# WE	# CE	# WN	# CN	#WF	Age Yng	Comments
	In	Out											

Brown-headed Cowbird Traps

Observer(s): _____ Start Time: _____ End Time:_____ Date:_____

Study Area: _____

Trap #

COWBIRDS	M	F	J	M	F	J	M	F	J	M	F	J	M	F	J	M	F	J
Decoys previously in trap[1]																		
Newly trapped																		
Added[2]																		
Died in trap																		
Missing																		
Escaped during trap check																		
Transferred[3]																		
Euthanized																		
Total left in trap[4]																		
NON-TARGET SPECIES[5]																		

Comments_____
_____
_____
_____
_____
_____

LCR Southwestern Willow Flycatcher Project - Vegetation Datasheet

Study area:	Survey site:	Plot type:	ID#:
Date:	Obs:	UTM: E N	GPS Accuracy: m

Nest site only	Substr.:	**All plot centers**	Dist water: _____ m Method: _____	**Woody Ground Cover**		**Total Canopy**
Substr. DBH: _____ cm	Substr. Ht.: _____m	Dist can gap: _____m	Dist Brdlf:_____m Sp.: _____	N:	E:	N:
Nest Ht.: _____ m or % - % × m	Nst Can Ht.: _____ m or % - % × m	Top Can.: _____ m or % - % × m		S:	W:	S:

Species		**TASP**	**SAGO**	**SAEX**	**POFR**	**SNAG**	**OTSP1*:** _____	**OTSP2**:** _____	**OTSP3***:** _____
Shrub/ Sapling Count in 5 m Plot <or= 8 cm dbh	**<1**								
	1–2.5								
	2.6–5.5								
	5.6–8								

Species		**TASP**	**SAGO**	**SAEX**	**POFR**	**SNAG**	**OTSP1**	**OTSP2**	**OTSP3**
Tree Count in 5m Plot > 8 cm dbh	**8.1–10.5**								
	10.5–15								
	Measured Trees >15 cm dbh								

Species	**TASP**	**SAGO**	**SAEX**	**POFR**	**SNAG**	**OTSP1**	**OTSP2**	**OTSP3**
Tree Count in 5m to 11.3m Plot >8 cm dbh								

NOTES:

If, at ankle height or above, shrub/sapling/tree splits into multiple branches, count it as one stem and measure the biggest stem. If splits below ankle height, count all stems.

If shrub/sapling/tree is not at least breast height, do not count.

* **Other species 1 (write out full name) _____ (*Use the same type for every section.*)**
** **Other species 2 (write out full name) _____ (*Use the same type for every section.*)**
*** **Other species 3 (write out full name) _____ (*Use the same type for every section.*)**

Vertical Foliage Sampling (i.e., “Hits on the pole”)

CENTER PLOT								
Height (m)	Hits/Species							
	TASP	SAGO	SAEX	POFR	SNAG	OTSP1*: _____	OTSP2*: _____	OTSP3*: _____
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								

Record number of decimeters with hits on pole (within 10-cm radius) per 1-m interval up to 8 m; above 8 m, estimate 0, < 5, or > 5 or hits per meter interval.

***Use same OTSP (1,2,3) as listed on main record.**

Vertical Foliage Sampling (i.e., "Hits on the pole")

Study Area:	Survey Site:	Plot type:	ID#	Date:

NORTH									EAST								
Height (m)	Hits/Species								Height (m)	Hits/Species							
	TASP	SAGO	SAEX	POFR	SNAG	OTSP1*: _____	OTSP2*: _____	OTSP3*: _____		TASP	SAGO	SAEX	POFR	SNAG	OTSP1*: _____	OTSP2*: _____	OTSP3*: _____
1									1								
2									2								
3									3								
4									4								
5									5								
6									6								
7									7								
8									8								
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21									21								
22									22								
23									23								
24									24								
25									25								

Record number of decimeters with hits on pole (within 10 cm radius) per 1-m interval up to 8 m; above 8 m, estimate 0, < 5, or > 5 or hits per meter interval.

***Use same OTSP (1,2,3) as listed on main record.**

SIDE 1

Vertical Foliage Sampling (i.e., “Hits on the pole”)

SOUTH									WEST								
Height (m)	Hits/Species								Height (m)	Hits/Species							
	TASP	SAGO	SAEX	POFR	SNAG	OTSP1*: _____	OTSP2*: _____	OTSP3*: _____		TASP	SAGO	SAEX	POFR	SNAG	OTSP1*: _____	OTSP2*: _____	OTSP3*: _____
1									1								
2									2								
3									3								
4									4								
5									5								
6									6								
7									7								
8									8								
9									9								
10									10								
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17									17								
18									18								
19									19								
20									20								
21									21								
22									22								
23									23								
24									24								
25									25								

Record number of decimeters with hits on pole (within 10 cm radius) per 1-m interval up to 8 m; above 8 m, estimate 0, < 5, or > 5 or hits per meter interval.
***Use same OTSP (1,2,3) as listed on main record.**

SIDE 2

SWFL Microclimate at Life History Study Areas

Study Area _____ Survey Site _____ LOCATION ID _____–_____–_____
(Study area) – (Location) – (Number)

UTM coordinates: Easting (x) 0__ __ __ __ __ __ **Northing (y)** __ __ __ __ __ __ __ **Accuracy** _____ m

Dominant habitat within 10 m: Cottonwood/Willow Tamarisk Mixed Native/Exotic Other (specify:)

Estimated canopy cover at the logger: Less than 25% 25%-75% More than 75%

Temperature/Relative Humidity (T/RH)

Set-up: Date (MM/DD/YY):_____ Time (military):_____ Crew member(s)_____

Logger 6-digit serial number (e.g., #630863):_____ Was red LED checked at set-up? Y or N

If nest site, when was nest vacated (known or estimated; MM/DD/YY)? _____

Logger location: Tree Shrub Est. overall height of tree or shrub? _____ m Est. height of logger _____ m

Take-down: Date (MM/DD/YY):_____ Time (military):_____ Crew member(s):_____

Logger 6-digit serial number (e.g., #630863):_____

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
No Yes If yes, explain:

Soil Moisture (SM)

Set-up: Date (MM/DD/YY):_____ Time (military):_____ Crew member(s)_____

6-digit sensor serial number: _____ logger number: _____

Soil sample taken (at set-up only)? Yes No If no, explain:

Distance to saturated/inundated soil: _____ m **How distance was measured**: _____

SM readings: Plot center _____% _____mV

N: 1.0 m _____% _____mV	2.0 m _____% _____mV	**S:** 1.0 m _____% _____mV	2.0 m _____% _____mV
E: 1.0 m _____% _____mV	2.0 m _____% _____mV	**W:** 1.0 m _____% _____mV	2.0 m _____% _____mV

Comments:

Take-down: Date (MM/DD/YY):_____ Time (military):_____ Crew member(s):_____

6-digit sensor serial number: _____ logger number: _____

Distance to saturated/inundated soil: _____ m **How distance was measured**: _____

SM readings: Plot center _____% _____mV

N: 1.0 m _____% _____mV	2.0 m _____% _____mV	**S:** 1.0 m _____% _____mV	2.0 m _____% _____mV
E: 1.0 m _____% _____mV	2.0 m _____% _____mV	**W:** 1.0 m _____% _____mV	2.0 m _____% _____mV

Comments:

Location identifier format: Study area code (MD, MQ, MM, PA, TM) – Location code (NS, WT, NU, SVR, SVD) – Nest number (for NS, WT, NU locations) or Seasonal Variation number; e.g., TM-NU-9A or MM-SVD-2

Page ___ of _____

SWFL Microclimate

Soil Moisture Supplement

Study Area ________ **Survey Site** ______________________ **LOCATION ID** _________–_________–_______
(Study area) – (Location) – (Number)

Date **(MM/DD/YY):**_______________ Time (military):___________ Crew member(s):_________________
6-digit sensor serial number: _______________ logger number: ________________
Distance to saturated/inundated soil: _______ m **How distance was measured**: ________________________________
SM readings: Plot center _______% _______mV
N: 1.0 m ______% ______mV | 2.0 m ______% ______mV | **S:** 1.0 m _____% ______mV | 2.0 m ______% ______mV
E: 1.0 m ______% ______mV | 2.0 m ______% ______mV | **W:** 1.0 m _____% ______mV | 2.0 m ______% ______mV
Comments:

Date **(MM/DD/YY):**_______________ Time (military):___________ Crew member(s):_________________
6-digit sensor serial number: _______________ logger number: ________________
Distance to saturated/inundated soil: _______ m **How distance was measured**: ________________________________
SM readings: Plot center _______% _______mV
N: 1.0 m ______% ______mV | 2.0 m ______% ______mV | **S:** 1.0 m _____% ______mV | 2.0 m ______% ______mV
E: 1.0 m ______% ______mV | 2.0 m ______% ______mV | **W:** 1.0 m _____% ______mV | 2.0 m ______% ______mV
Comments:

Date **(MM/DD/YY):**_______________ Time (military):___________ Crew member(s):_________________
6-digit sensor serial number: _______________ logger number: ________________
Distance to saturated/inundated soil: _______ m **How distance was measured**: ________________________________
SM readings: Plot center _______% _______mV
N: 1.0 m ______% ______mV | 2.0 m ______% ______mV | **S:** 1.0 m _____% ______mV | 2.0 m ______% ______mV
E: 1.0 m ______% ______mV | 2.0 m ______% ______mV | **W:** 1.0 m _____% ______mV | 2.0 m ______% ______mV
Comments:

Date **(MM/DD/YY):**_______________ Time (military):___________ Crew member(s):_________________
6-digit sensor serial number: _______________ logger number: ________________
Distance to saturated/inundated soil: _______ m **How distance was measured**: ________________________________
SM readings: Plot center _______% _______mV
N: 1.0 m ______% ______mV | 2.0 m ______% ______mV | **S:** 1.0 m _____% ______mV | 2.0 m ______% ______mV
E: 1.0 m ______% ______mV | 2.0 m ______% ______mV | **W:** 1.0 m _____% ______mV | 2.0 m ______% ______mV
Comments:

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Comments:

Microclimate at Sites South of Topock – T/RH Downloads

Study Area ________ Survey Site ______________________ LOCATION ID _________–________–______
(Study area) – (Survey site) – (Number)

Download: Date (MM/DD/YY):_____________ Time (military):_________ Crew member(s):_________________

Logger 6-digit serial number (e.g., #630863):_____________ Did you check red LED? Y or N

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
No Yes If yes, explain:

Comments:

Download: Date (MM/DD/YY):_____________ Time (military):_________ Crew member(s):_________________

Logger 6-digit serial number (e.g., #630863):_____________ Did you check red LED? Y or N

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
No Yes If yes, explain:

Comments:

Download: Date (MM/DD/YY):_____________ Time (military):_________ Crew member(s):_________________

Logger 6-digit serial number (e.g., #630863):_____________ Did you check red LED? Y or N

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
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Comments:

Download: Date (MM/DD/YY):_____________ Time (military):_________ Crew member(s):_________________

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Comments:

Download: Date (MM/DD/YY):_____________ Time (military):_________ Crew member(s):_________________

Logger 6-digit serial number (e.g., #630863):_____________ Did you check red LED? Y or N

Did any events occur that might have interfered with accuracy of data gathered by this logger (e.g., blown out of tree, etc.)?
No Yes If yes, explain:

Comments:

Location ID codes: Study area codes – Topock Gorge = TG, Ehrenberg = EH, Cibola = CI, Imperial = IM, Mittry = MI, Yuma = YU.
Survey site codes – Blankenship = BK, Havasu NE = HV, Three Fingers Lake = TF, Cibola Lake = CL, Walker Lake = WL, Paradise = PV, Hoge Ranch = HR, Rattlesnake = RS, Clear Lake = LK, Ferguson Lake = FL, Ferguson Wash = FW, Great Blue Heron = GB, Martinez Lake = ML, Mittry West = MW, Gila Confluence North = GC